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If the timer expires before all the fragments arrive, the user terminal 52 may discard the surviving pieces without processing the datagram. A request for resending the signal may be initiated.

IN THE CLAIMS:

13. (Amended) A user terminal as recited in claim 12, further comprising:

a plurality of transmitting elements coupled to a transmitting digital beam forming network;

a transmitting hub and router circuit coupled to the transmitting digital beam forming network for making a communication into a plurality of datagrams and routing the plurality of datagrams through multiple dynamic links formed by transmitting digital beam forming networks and

a transmitting direction control circuit coupled to said hub and router circuit and to said transmitting digital beam forming network for forming relative position vectors of said user terminal and high altitude device, said transmitting digital beam forming network directing transmitting beams to the high altitude communication devices.

21. (New) A method as recited in claim 18 prior to the step of reassembling, further comprising classifying the datagrams according to protocol.

22. (New) A method as recited in claim 18 prior to the step of reassembling, starting a reassembly timer counting a time;

when the time exceeds a predetermined time before all fragments of a datagram arrive, disregarding the datagram; and,
generating a resend signal.